

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 20050089124 A1	20050428	15	Method and system for estimating the doppler spread in radio mobile communication systems and computer program product therefor	375/346	
2	US 20050013350 A1	20050120	37	Method and apparatus for canceling pilot interference in a wireless communication system	375/148	
3	US 20040264591 A1	20041230	14	Method and system for M-QAM detection in communication systems	375/261	
4	US 20040248541 A1	20041209	11	Apparatus and method for performing channel estimations using non-linear filter	455/306	
5	US 20040190637 A1	20040930	12	System and method for adaptive phase compensation of OFDM signals	375/260	
6	US 20040091021 A1	20040513	18	Radio receiving apparatus and radio receiving method	375/147	
7	US 20040028121 A1	20040212	60	Receiver processing systems	375/144	375/148
8	US 20040028013 A1	20040212	63	Receiver processing systems	370/335	370/342
9	US 20040017843 A1	20040129	59	Receiver processing systems	375/148	
10	US 20040001554 A1	20040101	21	Antenna signal processing systems	375/260	
11	US 20030211851 A1	20031113	14	Radio communication device and method thereof	455/450	455/452.2
12	US 20030142655 A1	20030731	25	Receiving process method and receiving apparatus in mobile communication system	370/342	370/441

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2	Coralli, Alessandro Vanelli et al.
3	Malm, Peter et al.
4	Park, Jung-Keun
5	Maltsev, Alexander A. et al.
6	Arima, Takenobu
7	Fitton, Michael P.
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13	US 20030053413 A1	20030320	32	Radio transmission system and method, and transmitter apparatus and receiver apparatus used in the radio transmission system	370/208	
14	US 20030036359 A1	20030220	43	Mobile station loop-back signal processing	455/63.1	455/43; 455/69
15	US 20030031237 A1	20030213	10	Method for improving the reception of a CDMA receiver, and a CDMA receiver with improved reception	375/147	370/342
16	US 20020186677 A1	20021212	10	Channel estimation in a CDMA wireless communication system	370/342	
17	US 20020181624 A1	20021205	7	Method and apparatus for making a channel estimate	375/346	
18	US 20020167913 A1	20021114	13	Adaptive channel estimation in a wireless communication system	370/252	370/347
19	US 20020105961 A1	20020808	13	Transmit diversity method and system	370/442	370/342; 370/535
20	US 20020101908 A1	20020801	12	Apparatus and method for detecting signals of space-time coding based on transmission diversity	375/147	
21	US 20020085623 A1	20020704	16	System, method and apparatus for wireless channel parameter estimation in spread spectrum communication systems	375/148	
22	US 20020061005 A1	20020523	37	TSTD apparatus and method for a TDD CDMA mobile communication system	370/342	370/347; 375/140
23	US 20020009156 A1	20020124	17	Transmit diversity method and system	375/267	
24	US 20010038617 A1	20011108	11	Wireless code division multiple access communications system with channel estimation using fingers with sub-chip spacing	370/335	370/342; 455/422.1

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13	Sawahashi, Mamoru et al.
14	Dent, Paul W. et al.
15	Bachl, Rainer et al.
16	Leung, Gilbert
17	Gonzalez, Juan G. et al.
18	Leung, Gilbert
19	Hottinen, Ari et al.
20	Kim, Yeon-Soo et al.
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22	Lee, Hyun-Woo et al.
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25	US 20010036812 A1	20011101	12	Bit error estimates from pilot signals	455/67.13	455/515
26	US 20010017883 A1	20010830	20	Rake receiver	375/148	
27	US 6904078 B1	20050607	38	CDMA receiver and CDMA transmitter/receiver	375/141	375/148; 375/219; 375/232
28	US 6892053 B2	20050510	12	Bit error estimates from pilot signals	455/63.1	370/332; 370/333; 370/335; 370/342; 370/441; 375/148; 375/224; 375/227; 455/450; 455/464; 455/67.11; 455/67.16; 455/68
29	US 6876694 B2	20050405	11	Method and apparatus for decoding spread spectrum signal for CDMA	375/148	375/144; 375/346

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26	Tiirola, Esa et al.
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29	Komatsu; Masahiro

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30	US 6868112 B2	20050315	11	Apparatus and method for detecting signals of space-time coding based on transmission diversity	375/147	370/204; 370/342; 370/470; 375/267; 375/342
31	US 6856610 B2	20050215	10	Wireless code division multiple access communications system with channel estimation using fingers with sub-chip spacing	370/335	370/342; 375/130
32	US 6757272 B1	20040629	24	Channel estimation unit, and CDMA receiver and CDMA transceiver with channel estimation unit	370/342	370/328; 370/335; 375/260
33	US 6754286 B2	20040622	17	Transmit diversity method and system	375/299	375/267; 375/358; 455/101
34	US 6671268 B2	20031230	9	Channel estimation in a CDMA wireless communication system	370/342	370/320; 370/335; 370/441; 375/145; 375/148; 375/149
35	US 6647003 B1	20031111	24	Channel estimation unit, and CDMA receiver and CDMA transceiver with channel estimation unit	370/335	370/480; 370/491
36	US 6643275 B1	20031104	13	Random access in a mobile telecommunications system	370/328	
37	US 6584161 B2	20030624	13	Transmit diversity method and system	375/299	375/260

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38	US 6535502 B1	20030318	11	Pilot symbols	370/345	370/442; 370/500
39	US 6529545 B2	20030304	20	Rake receiver	375/148	375/144
40	US 6493329 B1	20021210	12	Adaptive channel estimation in a wireless communication system	370/335	370/252; 370/500
41	US 6452917 B1	20020917	9	Channel estimation in a CDMA wireless communication system	370/342	370/320; 370/334; 375/147
42	US 6381229 B1	20020430	14	Random access in a mobile telecommunications system	370/328	
43	US 6272167 B1	20010807	5	Spread spectrum communication system	375/144	370/335; 370/342; 375/147; 375/150; 375/347; 455/137
44	US 6208632 B1	20010327	23	System and method for CDMA channel estimation	370/335	370/342
45	US 5881056 A	19990309	18	Method and apparatus of a multi-code code division multiple access receiver having shared accumulator circuits	370/335	370/342

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38	Brink; Stephan ten
39	Tirola; Esa et al.
40	Leung; Gilbert
41	Leung; Gilbert
42	Narvinger; Per et al.
43	Ono; Shigeru
44	Kowalski; John M. et al.
45	Huang; Howard C. et al.